

CS Hyde Company

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PRODUCT INFORMATION

48-F-1M

.001" .002" and .005"
Metalized PET Film

PRODUCT DESCRIPTION

Typical properties of Metalized PET based on 92 Gauge General Use Film
Properties of other gauges and finishes of Metalized PET can vary.

PHYSICAL PROPERTIES:

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Tensile Strength (MD)	28,000	Psi	ASTM D 882
Tensile Strength (TD)	34,000	Psi	ADTM D 882
Strength Elongation MD	15,000	Psi	ASTM D882
Strength F-5 TD	14,000	Psi	ASTM D 882
Modulus MD	710,000	Psi	ASTM D882
Modulus TD	740,000	Psi	ASTM D882
Elongation MD	115	%	ASTM D 882
Elongation TD	92	%	ASTM D 882
Surface Roughness	38	Nm (nanometers)	Optical Profilometer
Density	1.39	g/cc	ASTM D 1505
Viscosity	0.56	dL/g	ASTM D 4603
Yield	21,000	in ² /lb	

THERMAL PROPERTIES:

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Melt Point	254	°C	
Dimensional STABILITY			
At 105° MD	0.6	%	
At 105° MD	0.3	%	
At 105° MD	1.8	%	
At 105° MD	1.0	%	
Specific Heat	0.28	Cal/g/°C	
Thermal Expansion	1.7 x 10 ⁻⁵	In./in./°C	ASTM D 696
UL94 Flame Class	94VTM-2	Slow to self Extinguishing	
*ELECTRICAL CONDUCTIVITY	1.0-.8 ohms per SQ./IN		
*Thermal Conductivity can not be measured			

*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.